International Journal of Mass Spectrometry and Ion Processes, 116 (1992) 289
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Amelynck, C. 13
Ang, J.L. 249
Arijs, E. 13
Ashman, A.S. 37

Baba, M.S. R1
Balasubramanian, R. R1
Belshaw, N.S. 71
Bohme, D.K. R7, R13
Bowen, R.D. 193
Brenton, A.G. 157

Chatgilialoglum, C. 115
Cheang, K.K. 249
Chitambar, S.A. 87
Clark, A. 143
Cohen, A.S. 71
Colburn, A.W. 193

Datta, B.P. 87
Derrick, P.J. 193

Enos, C.S. 157

Foltin, M. 273
Fournier, J. 53
Fournier, P.G. 53
Frasinski, L.J. 37
Fussen, D. 13

Gormally, J. 281
Goyal, A.H. 87
Guerra, M. 115

Hamdan, M. 115
Harris, F.M. 53
Hartmann, M. 219
Hayakawa, S. 167
Hogan, M.J. 249

Jain, H.C. 87
Javahery, G. R7
Jennings, R. 143
Kaesdorf, S. 219
Ketrivirtis, A. R7
Khodade, P.S. 87
Kompa, K.L. 219

Langford, M.L. 53
Lattimer, R.P. 23
Ledingham, K.W.D. 143
Lee, A.R. 157
Li, L. 127
Li-Aravena, F. 1

Märk, T.D. 273
Marshall, A. 143
Matthews, C.K. R1
Milnes, J. 281

Nagra, D.S. 127
Narasimhan, T.S.L. R1

Ong, P.P. 249
O'Nions, R.K. 71

Parab, A.R. 87
Parent, D.C. 257
Petrie, S. R7

Rauth, T. 273
Rogers, K. 281
Sander, J. 143
Saporoschenko, M. 1
Schröder, D. R13
Schröder, H. 219
Schwarz, H. R13
Singhal, R.P. 143

Talib, Z.A. 1
Tinker, M.H. 37
Traldi, P. 115

Wang, A.P.L. 127
Wang, J. R7
Weiske, T. R13
Wright, A.D. 193

Xiao, Y.-K. 183

Zhang, C.-G. 183
Zhang, J.-Y. 127

International Journal of Mass Spectrometry and Ion Processes, 116 (1992) 291–294
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Alkali ions
  Characteristics of aluminosilicates as thermionic sources of Na^+ and K^+ ions 249
Akali metals
  Relative cross-sections and kinetic energy release values in dissociative negative ion formation by successive single electron transfer from alkali metal targets 167
Aluminosilicates
  Characteristics of aluminosilicates as thermionic sources of Na^+ and K^+ ions 249
Ammonia
  Determination of singlet- and triplet-state energies of the doubly ionized ammonia molecule by double-charge-transfer spectroscopy 53
Appearance energy
  Appearance energy and electron impact cross section of C_{70} R1
Autoscavenging
  SF_6^- production via excimer-mediated electron attachment to mixed rare gas/SF_6 clusters 273

Charge stripping
  Electron spin correlation in single charge stripping of C^+ ions 157
Chemical ionization
  Chemical signatures of Buckminsterfullerene, C_{60}, under chemical ionization conditions R13
Cluster anions
  SF_6^- production via excimer-mediated electron attachment to mixed rare gas/SF_6 clusters 273
Collision-induced dissociation
  Unimolecular reactions of ionized methyl butenyl ethers 193
Cross-sections
  Appearance energy and electron impact cross section of C_{70} R1
  Relative cross-sections and kinetic energy release values in dissociative negative ion formation by successive single electron transfer from alkali metal targets 167

Dications
  Unprecedented proton transfer to ammonia from fullerene dications derivatized with ammonia R7
Dipeptides
  Multiphoton ionization study of water and ammonia elimination from dipeptides with pulsed rapid heating and laser desorption for sample vaporization 127
Double-charge-transfer spectroscopy
  Determination of singlet- and triplet-state energies of the doubly ionized ammonia molecule by double-charge-transfer spectroscopy 53
Double-ionization energies
  Determination of singlet- and triplet-state energies of the doubly ionized ammonia molecule by double-charge-transfer spectroscopy 53
Drift-tube studies
  Drift-tube studies of SF_3^+ and SF_5^+ ions in SF_6 gas 1

Electron spin correlation
  Electron spin correlation in single charge stripping of C^+ ions 157
Ethylene glycol polymers
  Tandem mass spectrometry of poly(ethylene glycol) proton- and deuteron-attachment ions 23
Excimer-induced decay
  SF_6^- production via excimer-mediated electron attachment to mixed rare gas/SF_6 clusters 273

Flow tube
  Rate constant measurements for the ion/molecule reactions of I^-, F^-, Br^- and $HFBr^-$ with Cl_2 13
Fullerenes
  Chemical signatures of Buckminsterfullerene, C_{60}, under chemical ionization conditions R13

Unprecedented proton transfer to ammonia from fullerene dications derivatized with ammonia R7

H/D exchange
Tandem mass spectrometry of poly(ethylene glycol) proton- and deuteron-attachment ions 23

3-Indoleacrylic acid
Anomalous features of the laser desorption/laser ionization mass spectrum of 3-indoleacrylic acid 281

Ion cyclotron resonance spectrometry
Laser photodissociation of O_2^+ in an ion cyclotron trap 37

Ion/molecule reactions
Rate constant measurements for the ion/molecule reactions of I^-, F^-, Br^- and $HFBr^-$ with Cl_2 13
Chemical signatures of Buckminsterfullerene, C_{60}, under chemical ionization conditions R13
Drift-tube studies of SF_3^+ and SF_5^+ ions in SF_6 gas 1
Unprecedented proton transfer to ammonia from fullerene dications derivatized with ammonia R7

Ions
Chemical signatures of Buckminsterfullerene, C_{60}, under chemical ionization conditions R13

Isotope ratio
High precision uranium, thorium and radium isotope ratio measurements by high dynamic range thermal ionisation mass spectrometry 71

Isotopic analysis
Thermal ionisation mass spectrometry of $Li_2BO_2^+$ ions: determination of the isotopic abundance ratio of lithium 87

Isotopic measurement
High-precision isotopic measurement of chlorine by thermal ionization mass spectrometry of the Cs_2Cl^+ ion 183

Kinetic energy release
Electron impact studies of alkanesulfonyl chlorides. An investigation of the sulfur dioxide radical cation 115
Relative cross-sections and kinetic energy release values in dissociative negative ion formation by successive single electron transfer from alkali metal targets 167
Unimolecular reactions of ionized methyl butenyl ethers 193

Kinetics
Drift-tube studies of SF_3^+ and SF_5^+ ions in SF_6 gas 1
Formation of silicon cluster cations and their reaction with acetylene. Unusual behaviour of the disilicon carbide ions 257

Knudsen cell
Appearance energy and electron impact cross section of C_{70} R1

Langevin
Rate constant measurements for the ion/molecule reactions of I^-, F^-, Br^- and $HFBr^-$ with Cl_2 13

Laser beam profiles
Influence of laser parameters on the detection efficiency of sputtered neutrals mass spectrometry based on non-resonant multiphoton ionization 219

Laser desorption
Anomalous features of the laser desorption/laser ionization mass spectrum of 3-indoleacrylic acid 281
Multiphoton ionization study of water and ammonia elimination from dipeptides with pulsed rapid heating and laser desorption for sample vaporization 127

Laser ionization
Anomalous features of the laser desorption/laser ionization mass spectrum of 3-indoleacrylic acid 281

Laser photodissociation
Laser photodissociation of O_2^+ is an ion cyclotron trap 37

Laser-induced fragmentation
Laser-induced dissociation, ionisation and fragmentation processes in nitroaromatic molecules 143

$Li_2BO_2^+$
Thermal ionisation mass spectrometry of $Li_2BO_2^+$ ions: determination of the isotopic abundance ratio of lithium 87

Lithium
Thermal ionisation mass spectrometry of $Li_2BO_2^+$ ions: determination of the isotopic abundance ratio of lithium 87

Mass spectrometry
SF_6^- production via excimer-mediated electron attachment to mixed rare gas/SF_6 clusters 273
Mass-analyzed ion kinetic energies
Electron impact studies of alkanesulfonyl chlorides. An investigation of the sulfur dioxide radical cation 115
Metal dimers
Influence of laser parameters on the detection efficiency of sputtered neutrals mass spectrometry based on non-resonant multiphoton ionization 219
Metastable ions
Unimolecular reactions of ionized methyl butenyl ethers 193
Metastable transitions
Electron impact studies of alkanesulfonyl chlorides. An investigation of the sulfur dioxide radical cation 115
Methyl butenyl ethers
Unimolecular reactions of ionized methyl butenyl ethers 193
Multiphoton ionization
Influence of laser parameters on the detection efficiency of sputtered neutrals mass spectrometry based on non-resonant multiphoton ionization 219
Multiphoton ionization study of water and ammonia elimination from dipeptides with pulsed rapid heating and laser desorption for sample vaporization 127

Negative ion formation
Relative cross-sections and kinetic energy release values in dissociative negative ion formation by successive single electron transfer from alkali metal targets 167
Nitroaromatics
Laser-induced dissociation, ionisation and fragmentation processes in nitroaromatic molecules 143

Predissociation
Laser-induced dissociation, ionisation and fragmentation processes in nitroaromatic molecules 143
Proton transfer
Unprecedented proton transfer to ammonia from fullerene dications derivatized with ammonia R7

Pulsed rapid heating
Multiphoton ionization study of water and ammonia elimination from dipeptides with pulsed rapid heating and laser desorption for sample vaporization 127

Radium
High precision uranium, thorium and radium isotope ratio measurements by high dynamic range thermal ionisation mass spectrometry 71
Rate constant
Rate constant measurements for the ion/molecule reactions of I^-, F^-, Br^- and $HFBr^-$ with Cl_2 13
Selected-ion flow tube
Unprecedented proton transfer to ammonia from fullerene dications derivatized with ammonia R7
SF_6
Drift-tube studies of SF_3^+ and SF_5^+ ions in SF_6 gas 1
SF_6^- production via excimer-mediated electron attachment to mixed rare gas/SF_6 clusters 273
Silicon carbide cation cluster
Formation of silicon cluster cations and their reaction with acetylene. Unusual behaviour of the disilicon carbide ions 257
Surface analysis by laser ionization
Influence of laser parameters on the detection efficiency of sputtered neutrals mass spectrometry based on non-resonant multiphoton ionization 219

Tandem mass spectrometry
Tandem mass spectrometry of poly(ethylene glycol) proton- and deuteron-attachment ions 23
Thermal decomposition
Multiphoton ionization study of water and ammonia elimination from dipeptides with pulsed rapid heating and laser desorption for sample vaporization 127
Thermal ionization mass spectrometry
High precision uranium, thorium and radium isotope ratio measurements by high dynamic range thermal ionisation mass spectrometry 71

Thermal ionisation mass spectrometry of $Li_2BO_2^+$ ions: determination of the isotopic abundance ratio of lithium 87
High-precision isotopic measurement of chlorine by thermal ionization mass spectrometry of the Cs_2Cl^+ ion 183
Thermionic sources
Characteristics of aluminosilicates as thermionic sources of Na^+ and K^+ ions 249
Thorium
High precision uranium, thorium and radium isotope ratio measurements by high dynamic range thermal ionisation mass spectrometry 71
Time-of-flight mass spectra
Anomalous features of the laser desorption/laser ionization mass spectrum of 3-indoleacrylic acid 281
Translational energy spectroscopy
Electron impact studies of alkanesulfonyl chlorides. An investigation of the sulfur dioxide radical cation 115
Electron spin correlation in single charge stripping of C^+ ions 157
Trap
Laser photodissociation of O_2^+ in an ion cyclotron trap 37

Unimolecular reactions
Unimolecular reactions of ionized methyl butenyl ethers 193
Uranium
High precision uranium, thorium and radium isotope ratio measurements by high dynamic range thermal ionisation mass spectrometry 71

Vinylindole
Anomalous features of the laser desorption/laser ionization mass spectrum of 3-indoleacrylic acid 281

Wavelength-dependent yield of NO^+
Laser-induced dissociation, ionisation and fragmentation processes in nitroaromatic molecules 143